

CLAIMS

1. A polyphage particle which
 - (a) contains
 - (i) a first recombinant vector molecule that comprises a nucleic acid sequence, which encodes a fusion protein of a first member of a multimeric (poly)peptide complex fused to at least part of a phage coat protein, and that carries or encodes a first selectable and/or screenable property, and
 - (ii) a second recombinant vector molecule that comprises a nucleic acid sequence, which encodes a second member of a multimeric (poly)peptide complex, and that carries or encodes a second selectable and/or screenable property different from said first property;
 - and (b) displays said multimeric (poly)peptide complex at its surface.
2. The polyphage particle according to claim 1 wherein said phage coat protein is the gIIIp.
3. The polyphage particle according to claim 2 wherein said particle is infectious by having a full-length copy of gIIIp present, either in said fusion protein, or in an additional wild-type copy.
4. The polyphage particle according to claim 2 wherein said particles is non-infectious by having no full-length copy of gIIIp, said fusion protein being formed with a truncated version of gIIIp, wherein the infectivity can be restored by interaction of the displayed multimeric (poly)peptide complex with a corresponding partner coupled to an infectivity-mediating particle.
5. The phage vector fpep3_1B-IR3seq with the sequence listed in Figure 4.
6. A phage vector derived from phage vector fpep3_1B-IR3seq comprising essentially the phage origin of replication from fpep3_1B-IR3seq, the gene II from fpep3_1B-IR3seq, or a combination of said phage origin of replication and said gene II.

7. A phagemid vector derived from phage vector fpep3_1B-IR3seq comprising essentially the phage origin of replication from fpep3_1B-IR3seq, the gene II from fpep3_1B-IR3seq, or a combination of said phage origin of replication and said gene II.
8. A helper phage vector derived from phage vector fpep3_1B-IR3seq comprising essentially the phage origin or replication from fpep3_1B-IR3seq, the gene II from fpep3_1B-IR3seq, or a combination of said phage origin of replication and said gene II.
9. A vector according to anyone of claims 6 to 8, wherein said derivatives comprise the combined fd/f1 origin including the mutation G5737>A (2976 in fpep3_1B-IR3seq), and/or the mutations G343>A (3989) in gII, and G601>T (4247) in gII/X.
10. The use of the vector of claim 5 in the generation of polyphage particles containing a combination of at least two different vectors.
11. The use of the vector of claim 6 in the generation of polyphage particles containing a combination of at least two different vectors.
12. The use of the vector of claim 7 in the generation of polyphage particles containing a combination of at least two different vectors.
13. The use of the vector of claim 8 in the generation of polyphage particles containing a combination of at least two different vectors.
14. The use according to claims 10 to 13 , wherein said combination of different vectors comprises nucleic acid sequences encoding members of a multimeric (poly)peptide complex.
15. The use according to claim 14, wherein said combination of different vectors comprises nucleic acid sequences encoding interacting (poly)peptides/proteins.